

=> fil reg

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jan.delaval@uspto.gov

STRUCTURE FILE UPDATES: 17 JUL 2002 HIGHEST RN 439210-99-8
DICTIONARY FILE UPDATES: 17 JUL 2002 HIGHEST RN 439210-99-8

TSCA INFORMATION NOW CURRENT THROUGH January 7, 2002

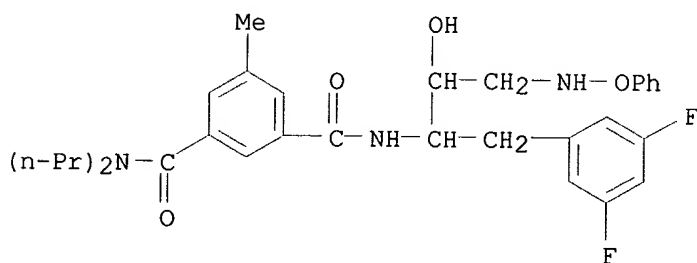
Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES
for more information. See STNote 27, Searching Properties in the CAS
Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> d ide can tot 160

L60 ANSWER 1 OF 9 REGISTRY COPYRIGHT 2002 ACS
RN 388083-45-2 REGISTRY
CN 1,3-Benzenedicarboxamide, N'-[1-[(3,5-difluorophenyl)methyl]-2-hydroxy-3-(phenoxyamino)propyl]-5-methyl-N,N-dipropyl- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 12: PN: WO0202506 PAGE: 107 claimed sequence
FS 3D CONCORD
MF C31 H37 F2 N3 O4
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



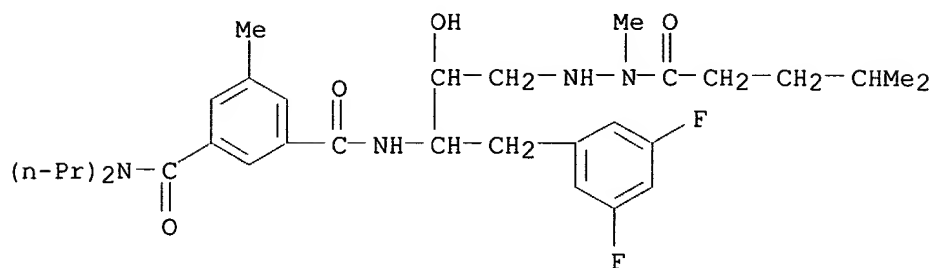
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 136:96075

L60 ANSWER 2 OF 9 REGISTRY COPYRIGHT 2002 ACS
RN 388083-44-1 REGISTRY
CN Pentanoic acid, 4-methyl-, 2-[4-(3,5-difluorophenyl)-3-[[3-[(dipropylamino)carbonyl]-5-methylbenzoyl]amino]-2-hydroxybutyl]-1-methylhydrazide (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 11: PN: WO0202506 PAGE: 107 claimed sequence
FS 3D CONCORD
MF C32 H46 F2 N4 O4

SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 136:96075

L60 ANSWER 3 OF 9 REGISTRY COPYRIGHT 2002 ACS

RN 388083-43-0 REGISTRY

CN 1,3-Benzenedicarboxamide, N'-[1-[(3,5-difluorophenyl)methyl]-2-hydroxy-3-(2-methyl-2-phenylhydrazino)propyl]-5-methyl-N,N-dipropyl- (9CI) (CA INDEX NAME)

OTHER NAMES:

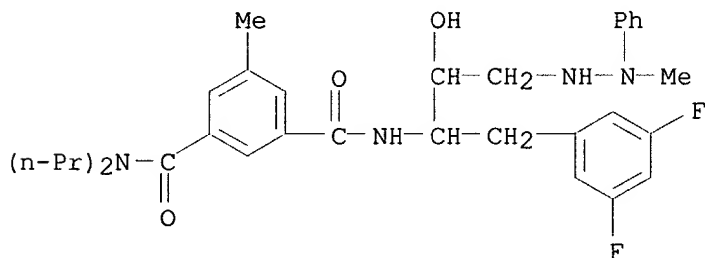
CN 10: PN: WO0202506 PAGE: 106 claimed sequence

FS 3D CONCORD

MF C32 H40 F2 N4 O3

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 136:96075

L60 ANSWER 4 OF 9 REGISTRY COPYRIGHT 2002 ACS

RN 261786-33-8 REGISTRY

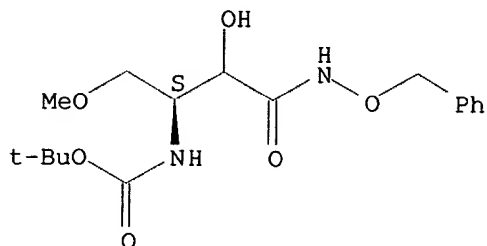
CN Carbamic acid, [(1S)-2-hydroxy-1-(methoxymethyl)-3-oxo-3-[(phenylmethoxy)amino]propyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

FS STEREOSEARCH

MF C17 H26 N2 O6

SR CA
LC STN Files: CA, CAPLUS

Absolute stereochemistry.



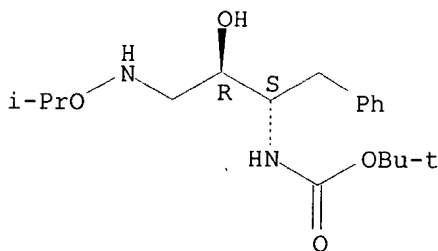
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 132:237376

L60 ANSWER 5 OF 9 REGISTRY COPYRIGHT 2002 ACS
RN 252873-33-9 REGISTRY
CN Carbamic acid, [(1S,2R)-2-hydroxy-3-[(1-methylethoxy)amino]-1-(phenylmethyl)propyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C18 H30 N2 O4
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.



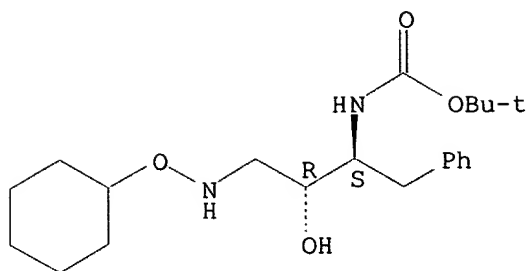
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 132:49801

L60 ANSWER 6 OF 9 REGISTRY COPYRIGHT 2002 ACS
RN 252873-22-6 REGISTRY
CN Carbamic acid, [(1S,2R)-3-[(cyclohexyloxy)amino]-2-hydroxy-1-(phenylmethyl)propyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C21 H34 N2 O4
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.



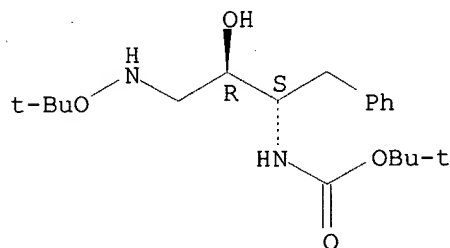
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 132:49801

L60 ANSWER 7 OF 9 REGISTRY COPYRIGHT 2002 ACS
RN 252872-98-3 REGISTRY
CN Carbamic acid, [(1S,2R)-3-[(1,1-dimethylethoxy)amino]-2-hydroxy-1-(phenylmethyl)propyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C19 H32 N2 O4
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.



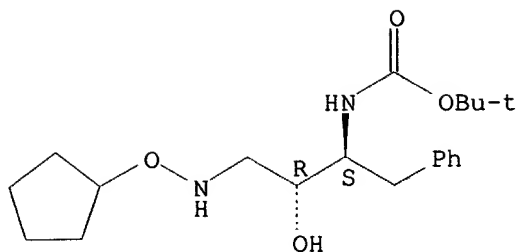
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 132:49801

L60 ANSWER 8 OF 9 REGISTRY COPYRIGHT 2002 ACS
RN 252872-89-2 REGISTRY
CN Carbamic acid, [(1S,2R)-3-[(cyclopentyloxy)amino]-2-hydroxy-1-(phenylmethyl)propyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C20 H32 N2 O4
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.



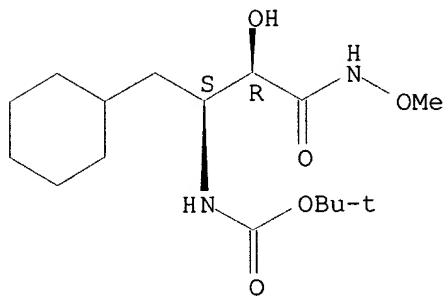
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 132:49801

L60 ANSWER 9 OF 9 REGISTRY COPYRIGHT 2002 ACS
RN 119601-46-6 REGISTRY
CN Carbamic acid, [1-(cyclohexylmethyl)-2-hydroxy-3-(methoxyamino)-3-oxopropyl]-, 1,1-dimethylethyl ester, [R-(R*,S*)]- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C16 H30 N2 O5
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 110:154889

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FILE 'HCAOLD' ENTERED AT 08:57:45 ON 18 JUL 2002
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PRE-1967 CHEMICAL ABSTRACTS FILE WITH HOUR-BASED PRICING
FILE COVERS 1907-1966
FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate

substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

=> s 160

L61 0 L60

=> fil uspatall

FILE 'USPATFULL' ENTERED AT 08:57:49 ON 18 JUL 2002
CA INDEXING COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 08:57:49 ON 18 JUL 2002
CA INDEXING COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

=> s 160

L62 6 L60

=> d bib abs hitstr tot

L62 ANSWER 1 OF 6 USPATFULL

AN 2002:92677 USPATFULL

TI Sulfonamide inhibitors of aspartyl protease

IN Hale, Michael Robin, Bedford, MA, UNITED STATES

Andrews, Clarence Webster, III, Durham, NC, UNITED STATES

Furfine, Eric Steven, Durham, NC, UNITED STATES

Sherrill, Ronald George, Cary, NC, UNITED STATES

Spaltenstein, Andrew, Raleigh, NC, UNITED STATES

Lowen, Gregory Thomas, Williamsburg, VA, UNITED STATES

PI US 2002049201 A1 20020425

AI US 2000-731129 A1 20001206 (9)

RLI Continuation of Ser. No. WO 1999-US13744, filed on 17 Jun 1999, UNKNOWN

PRAI US 1998-90094P 19980619 (60)

DT Utility

FS APPLICATION

LREP FISH & NEAVE, 1251 AVENUE OF THE AMERICAS, 50TH FLOOR, NEW YORK, NY,
10020-1105

CLMN Number of Claims: 24

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 7574

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a novel class of sulfonamides which are aspartyl protease inhibitors. In one embodiment, this invention relates to a novel class of HIV aspartyl protease inhibitors characterized by specific structural and physicochemical features. This invention also relates to pharmaceutical compositions comprising these compounds. The compounds and pharmaceutical compositions of this invention are particularly well suited for inhibiting HIV-1 and HIV-2 protease activity and consequently, may be advantageously used as anti-viral agents against the HIV-1 and HIV-2 viruses. This invention also relates to methods for inhibiting the activity of HIV aspartyl protease using the compounds of this invention and methods for screening compounds for anti-HIV activity.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 252873-33-9

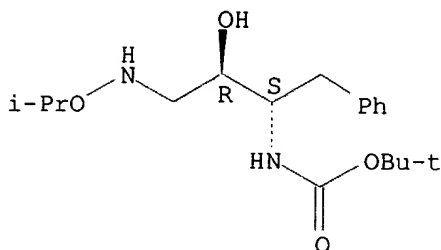
(prepn. of 1-acylamino-3-(N-arylsulfonyl-N-alkoxyamino)-2-

hydroxypropanes and related compds. as inhibitors of HIV aspartyl protease)

RN 252873-33-9 USPATFULL

CN Carbamic acid, [(1S,2R)-2-hydroxy-3-[(1-methylethoxy)amino]-1-(phenylmethyl)propyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



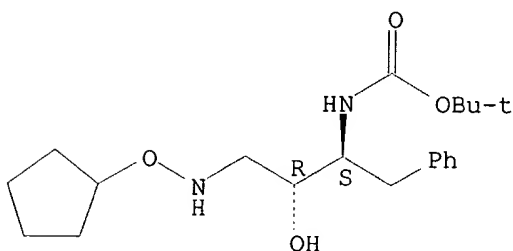
IT 252872-89-2P 252872-98-3P 252873-22-6P

(prepn. of 1-acylamino-3-(N-arylsulfonyl-N-alkoxyamino)-2-hydroxypropanes and related compds. as inhibitors of HIV aspartyl protease)

RN 252872-89-2 USPATFULL

CN Carbamic acid, [(1S,2R)-3-[(cyclopentyloxy)amino]-2-hydroxy-1-(phenylmethyl)propyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

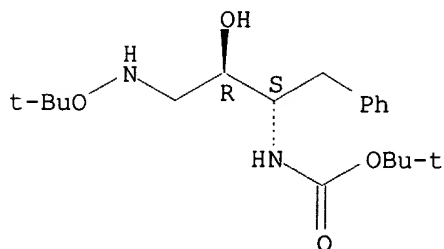
Absolute stereochemistry.



RN 252872-98-3 USPATFULL

CN Carbamic acid, [(1S,2R)-3-[(1,1-dimethylethoxy)amino]-2-hydroxy-1-(phenylmethyl)propyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

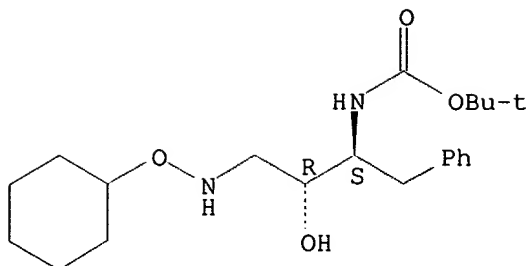
Absolute stereochemistry.



RN 252873-22-6 USPATFULL

CN Carbamic acid, [(1S,2R)-3-[(cyclohexyloxy)amino]-2-hydroxy-1-(phenylmethyl)propyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L62 ANSWER 2 OF 6 USPATFULL

AN 2002:27472 USPATFULL

TI Compounds to treat alzheimer's disease

IN Fang, Lawrence Y., Foster City, CA, UNITED STATES

John, Varghese, San Francisco, CA, UNITED STATES

PA Elan Pharmaceuticals, Inc. (U.S. corporation)

PI US 2002016320 A1 20020207

AI US 2001-896874 A1 20010629 (9)

PRAI US 2000-215323P 20000630 (60)

DT Utility

FS APPLICATION

LREP MERCHANT & GOULD PC, P.O. BOX 2903, MINNEAPOLIS, MN, 55402-0903

CLMN Number of Claims: 147

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 12236

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is substituted amines of formula (XV) ##STR1##

useful in treating Alzheimer's ease and other similar dise

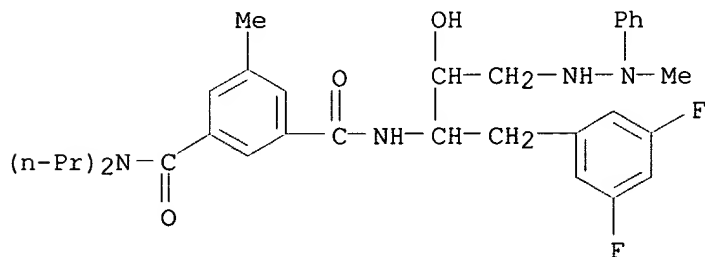
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 388083-43-0 388083-44-1 388083-45-2

(compds. to treat Alzheimer's disease and other cognitive impairment disorders in relation to inhibition of .beta.-secretase and cleavage of amyloid precursor protein and combination with other agents)

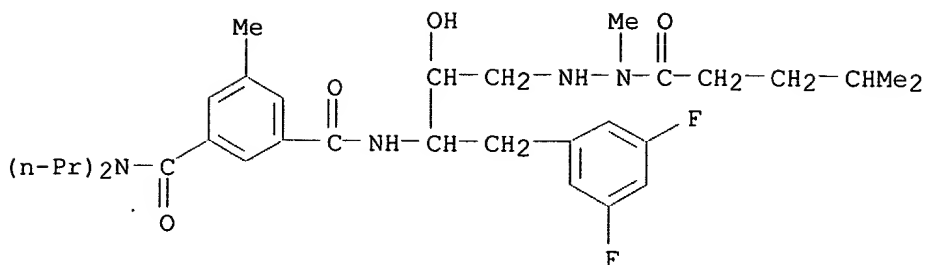
RN 388083-43-0 USPATFULL

CN 1,3-Benzenedicarboxamide, N'-[1-[(3,5-difluorophenyl)methyl]-2-hydroxy-3-(2-methyl-2-phenylhydrazino)propyl]-5-methyl-N,N-dipropyl- (9CI) (CA INDEX NAME)



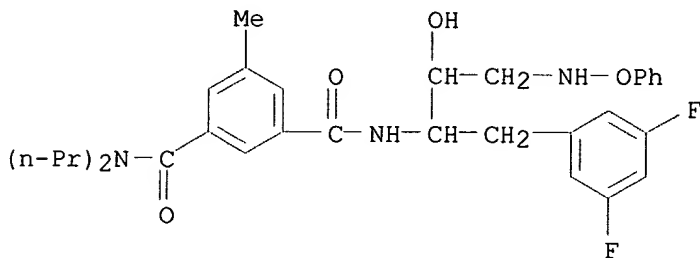
RN 388083-44-1 USPATFULL

CN Pentanoic acid, 4-methyl-, 2-[4-(3,5-difluorophenyl)-3-[[3-[(dipropylamino)carbonyl]-5-methylbenzoyl]amino]-2-hydroxybutyl]-1-methylhydrazide (9CI) (CA INDEX NAME)



RN 388083-45-2 USPATFULL

CN 1,3-Benzenedicarboxamide, N'-[1-[(3,5-difluorophenyl)methyl]-2-hydroxy-3-(phenoxyamino)propyl]-5-methyl-N,N-dipropyl- (9CI) (CA INDEX NAME)



L62 ANSWER 3 OF 6 USPATFULL

AN 2000:143079 USPATFULL

TI Printer using print cartridge with internal pressure regulator

IN Pawlowski, Jr., Norman E., Corvallis, OR, United States

Hauck, Mark, Corvallis, OR, United States

Barinaga, John A., Corvallis, OR, United States

PA Hewlett-Packard Company, Palo Alto, CA, United States (U.S. corporation)

PI US 6137513 20001024

AI US 1998-90094 19980603 (9)

RLI Continuation-in-part of Ser. No. US 1995-550902, filed on 31 Oct 1995, now patented, Pat. No. US 5872584 which is a continuation-in-part of Ser. No. US 1995-518847, filed on 24 Aug 1995, now patented, Pat. No. US 5736992 which is a continuation-in-part of Ser. No. US 1994-331453, filed on 31 Oct 1994, now patented, Pat. No. US 5583545 And a continuation-in-part of Ser. No. US 1995-429915, filed on 27 Apr 1995, now patented, Pat. No. US 5825387 And a continuation-in-part of Ser. No. US 1995-566821, filed on 4 Dec 1995, now patented, Pat. No. US 5777646

DT Utility

FS Granted

EXNAM Primary Examiner: Le, N.; Assistant Examiner: Vo, Anh T. N.

CLMN Number of Claims: 22

ECL Exemplary Claim: 11

DRWN 69 Drawing Figure(s); 48 Drawing Page(s)

LN.CNT 1718

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB In the preferred embodiment, an inkjet printer includes a replaceable print cartridge which is inserted into a scanning carriage. An ink tube extends from the scanning carriage to a separate ink supply located within the printer. A fluid interconnect on the print cartridge connects to a fluid interconnect on the carriage when the print cartridge is inserted into the carriage to complete the fluid connection between the external ink supply and the print cartridge. In one embodiment, the fluid interconnection is made between the print cartridge and the ink

tube simply by placing the print cartridge into a stall in the scanning carriage. A pressure regulator internal to the print cartridge regulates the flow of ink from the external ink supply to the print cartridge. The external ink supply may be pressurized or non-pressurized.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

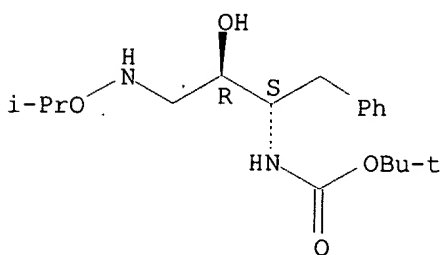
IT 252873-33-9

(prepn. of 1-acylamino-3-(N-arylsulfonyl-N-alkoxyamino)-2-hydroxypropanes and related compds. as inhibitors of HIV aspartyl protease)

RN 252873-33-9 USPATFULL

CN Carbamic acid, [(1S,2R)-2-hydroxy-3-[(1-methylethoxy)amino]-1-(phenylmethyl)propyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



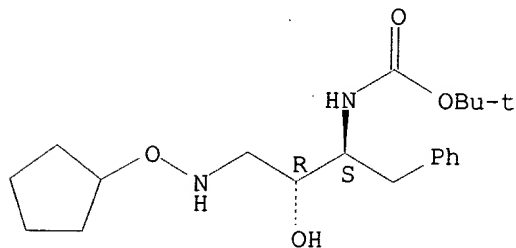
IT 252872-89-2P 252872-98-3P 252873-22-6P

(prepn. of 1-acylamino-3-(N-arylsulfonyl-N-alkoxyamino)-2-hydroxypropanes and related compds. as inhibitors of HIV aspartyl protease)

RN 252872-89-2 USPATFULL

CN Carbamic acid, [(1S,2R)-3-[(cyclopentyloxy)amino]-2-hydroxy-1-(phenylmethyl)propyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

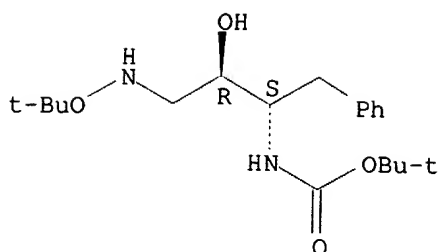
Absolute stereochemistry.



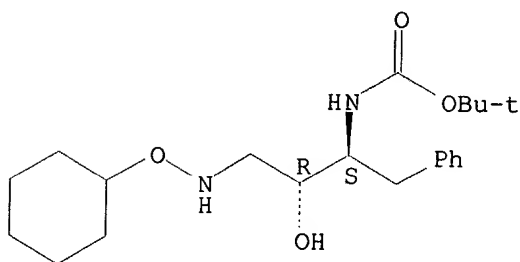
RN 252872-98-3 USPATFULL

CN Carbamic acid, [(1S,2R)-3-[(1,1-dimethylethoxy)amino]-2-hydroxy-1-(phenylmethyl)propyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 252873-22-6 USPATFULL
 CN Carbamic acid, [(1S,2R)-3-[(cyclohexyloxy)amino]-2-hydroxy-1-(phenylmethyl)propyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)
 Absolute stereochemistry.



L62 ANSWER 4 OF 6 USPATFULL
 AN 91:58919 USPATFULL
 TI Nor-statine and nor-cyclostatine polypeptides
 IN Hoover, Dennis J., Ledyard, CT, United States
 Rosati, Robert L., Stonington, CT, United States
 Wester, Ronald T., Mystic, CT, United States
 PA Pfizer Inc., New York, NY, United States (U.S. corporation)
 PI US 5034376 19910723
 AI US 1990-497041 19900321 (7)
 RLI Division of Ser. No. US 1988-277614, filed on 29 Nov 1988, now patented, Pat. No. US 4935405 which is a division of Ser. No. US 1987-112976, filed on 23 Oct 1987, now patented, Pat. No. US 4814342 which is a continuation-in-part of Ser. No. US 1987-68982, filed on 1 Jul 1987, now abandoned which is a continuation-in-part of Ser. No. US 1986-925449, filed on 31 Oct 1986, now abandoned
 DT Utility
 FS Granted
 EXNAM Primary Examiner: Lee, Lester L.
 LREP Richardson, Peter C., Lumb, J. Trevor, McManus, James M.
 CLMN Number of Claims: 10
 ECL Exemplary Claim: 1
 DRWN No Drawings
 LN.CNT 4379
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB Polypeptides and derivatives thereof containing nor-statine and nor-cyclostatine are useful for inhibiting the angiotensinogen-cleaving action of the enzyme renin.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

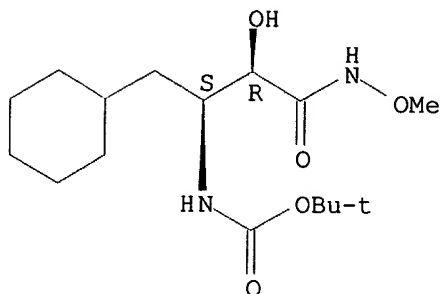
IT 119601-46-6P

(prepn. of, as intermediate for renin-inhibiting antihypertensive)

RN 119601-46-6 USPATFULL

CN Carbamic acid, [1-(cyclohexylmethyl)-2-hydroxy-3-(methoxyamino)-3-oxopropyl]-, 1,1-dimethylethyl ester, [R-(R*,S*)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L62 ANSWER 5 OF 6 USPATFULL

AN 90:48790 USPATFULL

TI Nor-statine and nor-cyclostatine polypeptides

IN Hoover, Dennis J., Ledyard, CT, United States

Rosati, Robert L., Stonington, CT, United States

Wester, Ronald T., Mystic, CT, United States

PA Pfizer Inc., New York, NY, United States (U.S. corporation)

PI US 4935405 19900619

AI US 1988-277614 19881129 (7)

DCD 20060321

RLI Division of Ser. No. US 1987-112976, filed on 23 Oct 1987, now patented, Pat. No. US 4814342 which is a continuation-in-part of Ser. No. US 1987-68982, filed on 1 Jul 1987, now abandoned which is a continuation-in-part of Ser. No. US 1986-925449, filed on 31 Oct 1986, now abandoned

DT Utility

FS Granted

EXNAM Primary Examiner: Lee, Lester L.

LREP Richardson, Peter C., Lumb, J. Trevor, McManus, James M.

CLMN Number of Claims: 12

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 4372

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Polypeptides and derivatives thereof containing nor-statine and nor-cyclostatine are useful for inhibiting the angiotensinogen-cleaving action of the enzyme renin.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

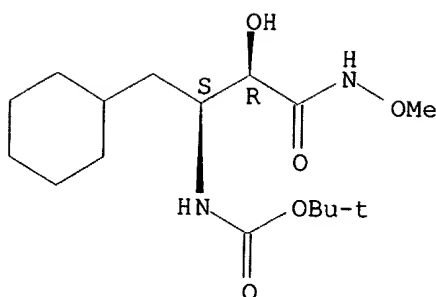
IT 119601-46-6P

(prepn. of, as intermediate for renin-inhibiting antihypertensive)

RN 119601-46-6 USPATFULL

CN Carbamic acid, [1-(cyclohexylmethyl)-2-hydroxy-3-(methoxyamino)-3-oxopropyl]-, 1,1-dimethylethyl ester, [R-(R*,S*)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L62 ANSWER 6 OF 6 USPATFULL
 AN 89:21180 USPATFULL
 TI Nor-statine and nor-cyclostatine polypeptides
 IN Hoover, Dennis J., Ledyard, CT, United States
 Rosati, Robert L., Stonington, CT, United States
 Wester, Ronald T., Mystic, CT, United States
 PA Pfizer Inc., New York, NY, United States (U.S. corporation)
 PI US 4814342 19890321
 AI US 1987-112976 19871023 (7)
 RLI Continuation-in-part of Ser. No. US 1987-68982, filed on 1 Jul 1987, now
 abandoned which is a continuation-in-part of Ser. No. US 1986-925449,
 filed on 31 Oct 1986, now abandoned
 DT Utility
 FS Granted
 EXNAM Primary Examiner: Phillips, Delbert R.
 LREP Richardson, Peter C., Lumb, J. Trevor, McManus, James M.
 CLMN Number of Claims: 12
 ECL Exemplary Claim: 1
 DRWN No Drawings
 LN.CNT 4343
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 AB Polypeptides and derivatives thereof containing nor-statine and
 nor-cyclostatine are useful for inhibiting the angiotensinogen-cleaving
 action of the enzyme renin.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

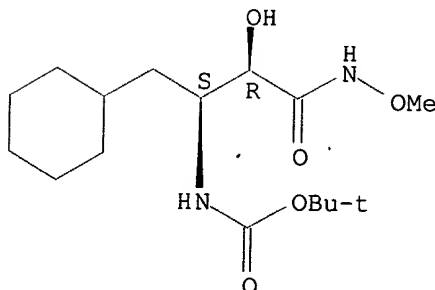
IT **119601-46-6P**

(prepn. of, as intermediate for renin-inhibiting antihypertensive)

RN 119601-46-6 USPATFULL

CN Carbamic acid, [1-(cyclohexylmethyl)-2-hydroxy-3-(methoxyamino)-3-oxopropyl]-, 1,1-dimethylethyl ester, [R-(R*,S*)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



=> fil hcaplus

FILE 'HCAPLUS' ENTERED AT 08:58:05 ON 18 JUL 2002

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FILE COVERS 1907 - 18 Jul 2002 VOL 137 ISS 3

FILE LAST UPDATED: 17 Jul 2002 (20020717/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> s l60

L63 4 L60

=> s l63 and l1-l21

L64 1 L63 AND (L1 OR L2 OR L3 OR L4 OR L5 OR L6 OR L7 OR L8 OR L9 OR L10 OR L11 OR L12 OR L13 OR L14 OR L15 OR L16 OR L17 OR L18 OR L19 OR L20 OR L21)

=> d bib abs hitstr retable

L64 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2002 ACS

AN 2002:31397 HCAPLUS

DN 136:96075

TI Compounds to treat Alzheimer's disease

IN Fang, Lawrence Y.; John, Varghese

PA Elan Pharmaceuticals, Inc., USA

SO PCT Int. Appl., 434 pp.

CODEN: PIXXD2

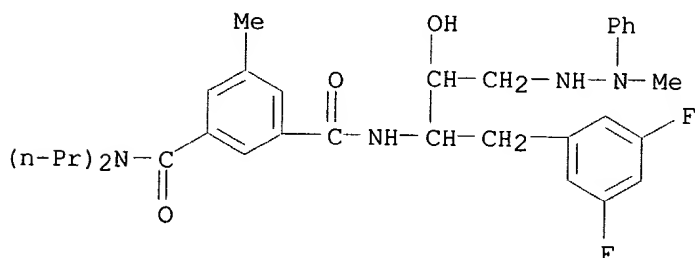
DT Patent

LA English

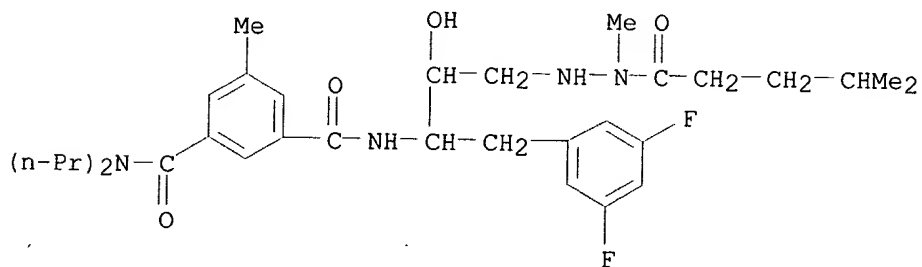
FAN.CNT 5

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PI	WO 2002002506	A2	20020110	WO 2001-US20930	20010629
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RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,				

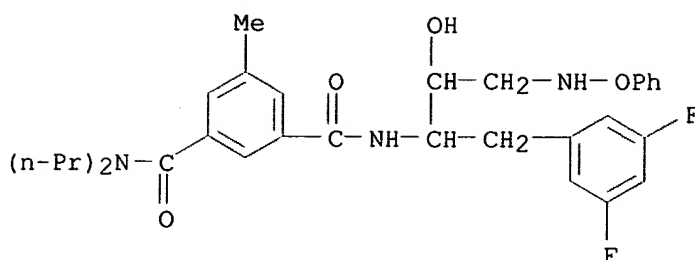
BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
 AU 2001073113 A5 20020114 AU 2001-73113 20010629
 US 2002016320 A1 20020207 US 2001-896874 20010629 <--
 PRAI US 2000-215323P P 20000630
 WO 2001-US20930 W 20010629
 OS MARPAT 136:96075
 AB The present invention is substituted amines of formula (XV) useful in treating Alzheimer's disease and other similar diseases.
 IT 388083-43-0 388083-44-1 388083-45-2
 RL: DMA (Drug mechanism of action); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (comps. to treat Alzheimer's disease and other cognitive impairment disorders in relation to inhibition of .beta.-secretase and cleavage of amyloid precursor protein and combination with other agents)
 RN 388083-43-0 HCAPLUS
 CN 1,3-Benzenedicarboxamide, N'-[1-[(3,5-difluorophenyl)methyl]-2-hydroxy-3-(2-methyl-2-phenylhydrazino)propyl]-5-methyl-N,N-dipropyl- (9CI) (CA INDEX NAME)



RN 388083-44-1 HCAPLUS
 CN Pentanoic acid, 4-methyl-, 2-[4-(3,5-difluorophenyl)-3-[[3-[(dipropylamino)carbonyl]-5-methylbenzoyl]amino]-2-hydroxybutyl]-1-methylhydrazide (9CI) (CA INDEX NAME)



RN 388083-45-2 HCAPLUS
 CN 1,3-Benzenedicarboxamide, N'-[1-[(3,5-difluorophenyl)methyl]-2-hydroxy-3-(phenoxyamino)propyl]-5-methyl-N,N-dipropyl- (9CI) (CA INDEX NAME)



=> s 163 not 164

L65 3 L63 NOT L64

=> d bib abs hitstr retable tot

L65 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2002 ACS

AN 2000:209900 HCAPLUS

DN 132:237376

TI Preparation of hydroxamate-containing peptides as cysteine and serine protease inhibitors

IN Mallamo, John P.; Bihovsky, Ron; Josef, Kurt Allen

PA Cephalon, Inc., USA

SO PCT Int. Appl., 35 pp.

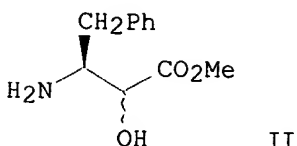
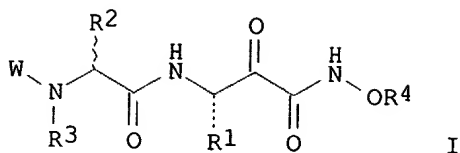
CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

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PI	WO 2000016767	A1	20000330	WO 1999-US21664	19990920
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	RW:	GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	AU 9960502	A1	20000410	AU 1999-60502	19990920
	EP 1115390	A1	20010718	EP 1999-969333	19990920
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
	NO 2001001388	A	20010516	NO 2001-1388	20010319
PRAI	US 1998-101414P	P	19980922		
	US 1999-398562	A	19990917		
	WO 1999-US21664	W	19990920		
OS	MARPAT 132:237376				
GI					



AB Hydroxamate-contg. peptides I [W is A-B-D; A is (un)substituted aryl(CH₂)_n, heteroaryl(CH₂)_n (n = 0-6), alkyl, alkenyl or cycloalkyl; B is a bond, CO, SO, SO₂, OCO, NR₅CO, NR₅SO₂, or NR₅SO; D is a bond, an amino acid residue or a peptide; R₁-R₅ are H or (un)substituted alkyl or cycloalkyl] have been prepd. as inhibitors of cysteine and serine proteases. Thus, Cbz-Leu-Phe-CONHOMe (Cbz = benzyloxycarbonyl), prepd. by coupling of Cbz-Leu-OH with II.HCl, followed by amidation with H₂NOMe.HCl and Dess-Martin oxidn., showed IC₅₀ = 10 nM for inhibition of caplain activity.

IT **261786-33-8P**

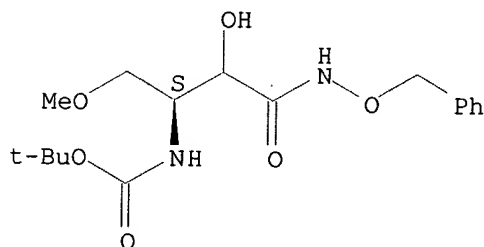
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(prepn. of hydroxamate contg. cysteine and serine protease inhibitors)

RN 261786-33-8 HCAPLUS

CN Carbamic acid, [(1S)-2-hydroxy-1-(methoxymethyl)-3-oxo-3-[(phenylmethoxy)amino]propyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RETABLE

Referenced Author (RAU)	Year (RPY)	VOL (RVL)	PG (RPG)	Referenced Work (RWK)	Referenced File
Harbeson, S	1994	37	12918	J Med Chem	HCAPLUS

L65 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2002 ACS

AN 1999:811207 HCAPLUS

DN 132:49801

TI Preparation of 1-acylamino-3-(N-arylsulfonyl-N-alkoxyamino)-2-hydroxypropanes and related compounds as inhibitors of HIV aspartyl protease.

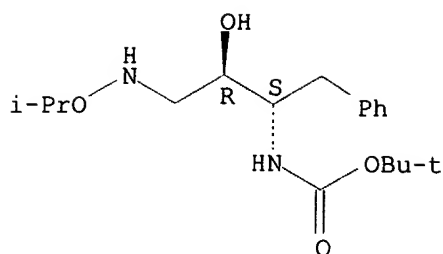
IN Sherrill, Ronald George; Hale, Michael R.; Spaltenstein, Andrew; Furfine,
Eric Steven; Andrews, Clarence Webster, III; Lowen, Gregory Thomas
PA Vertex Pharmaceuticals Incorporated, USA
SO PCT Int. Appl., 344 pp.
CODEN: PIXXD2

DT Patent
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9965870	A2	19991223	WO 1999-US13744	19990617
	WO 9965870	A3	20010315		
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	RW:	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	AU 9945760	A1	20000105	AU 1999-45760	19990617
	EP 1086076	A1	20010328	EP 1999-928769	19990617
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			
	BR 9912169	A	20010410	BR 1999-12169	19990617
	US 2002049201	A1	20020425	US 2000-731129	20001206
	NO 2000006405	A	20010219	NO 2000-6405	20001215
PRAI	US 1998-90094P	P	19980619		
	WO 1999-US13744	W	19990617		
OS	MARPAT 132:49801				
AB	ABxN(Gx)CHDCHOR7CH2ND'SO2E [A = H, (substituted) Ht, R1Ht, R1Ak; Ak = alkyl; Ht = cycloalkyl, cycloalkenyl, (substituted) aryl, heterocyclyl; R1 = CO, SO2, COCO, O2C, NR2CO, NR2SO2, etc.; B = null, NR2C(R3)2CO; x = 0, 1; R2 = H, (substituted) Ht, alkyl; R3 = H, (substituted) Ht, alkyl, alkenyl, cycloalkyl, cycloalkenyl; G = null, H, R7, alkyl; G may be bound to R7; D = (substituted) Q, alkyl, alkenyl; Q = (substituted) carbocyclyl, heterocyclyl; D' = OR10, N:R10, N(R10)R1R3; E = Ht, OHt, OR3, NR2R3, (substituted) alkyl, alkenyl, etc.; R7 = H, (CH2O)xY(ZM)(:X)Z(M)x, etc.; M = null, H, Li, Na, K, Mg, Ca, Ba, alkyl, alkenyl, etc.; X = O, S; Y = P, S; Z = O, S, N(R2)2, H], were prepd. as inhibitors of HIV aspartyl protease (no data). Thus, 3-H2NC6H4SO2NHOCHMe2 (prepn. given), tert-Bu N-(1S)-1-[(2S)-oxiran-2-yl]-2-phenylethylcarbamate, and phosphazene base P4 tert-Bu were stirred in 8 h in THF to give 95% tert-Bu N-(1S,2R)-3-[[[(3-aminophenyl)sulfonyl](isopropoxy)amino]-1-benzyl-2-hydroxypropylcarbamate.				
IT	252873-33-9				
	RL: RCT (Reactant); RACT (Reactant or reagent) (prepn. of 1-acylamino-3-(N-arylsulfonyl-N-alkoxyamino)-2-hydroxypropanes and related compds. as inhibitors of HIV aspartyl protease)				
RN	252873-33-9	HCAPLUS			
CN	Carbamic acid, [(1S,2R)-2-hydroxy-3-[(1-methylethoxy)amino]-1-(phenylmethyl)propyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)				

Absolute stereochemistry.



IT 252872-89-2P 252872-98-3P 252873-22-6P

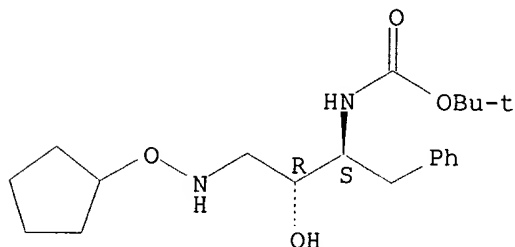
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(prepn. of 1-acylamino-3-(N-arylsulfonyl-N-alkoxyamino)-2-hydroxypropanes and related compds. as inhibitors of HIV aspartyl protease)

RN 252872-89-2 HCAPLUS

CN Carbamic acid, [(1S,2R)-3-[(cyclopentyloxy)amino]-2-hydroxy-1-(phenylmethyl)propyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

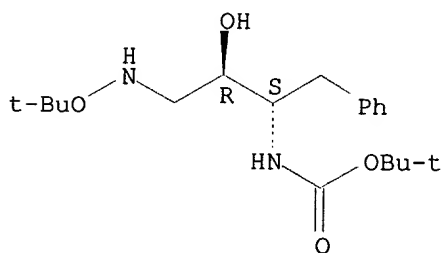
Absolute stereochemistry.



RN 252872-98-3 HCAPLUS

CN Carbamic acid, [(1S,2R)-3-[(1,1-dimethylethoxy)amino]-2-hydroxy-1-(phenylmethyl)propyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

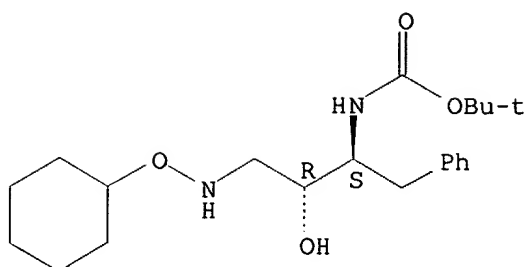
Absolute stereochemistry.



RN 252873-22-6 HCAPLUS

CN Carbamic acid, [(1S,2R)-3-[(cyclohexyloxy)amino]-2-hydroxy-1-(phenylmethyl)propyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L65 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2002 ACS

AN 1989:154889 HCAPLUS

DN 110:154889

TI Preparation of norstatine- and norcyclostatine-containing peptides as renin inhibitors

IN Hoover, Dennis Jay; Wester, Ronald Thure; Rosati, Robert Louis

PA Pfizer Inc., USA

SO Eur. Pat. Appl., 86 pp.

CODEN: EPXXDW

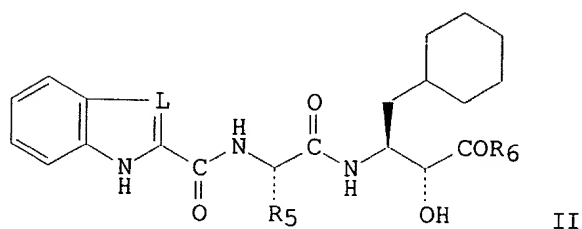
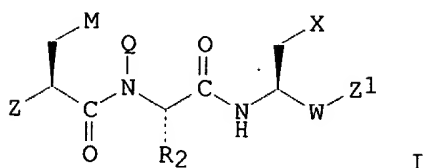
DT Patent

LA English

FAN.CNT 1

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PI	EP 266950	A2	19880511	EP 1987-309461	19871027
	EP 266950	A3	19900411		
	EP 266950	B1	19931229		
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	IN 172976	A	19940115	IN 1987-DE905	19871015
	CN 87101499	A	19880511	CN 1987-101499	19871023
	CN 1027271	B	19950104		
	US 4814342	A	19890321	US 1987-112976	19871023
	AT 99324	E	19940115	AT 1987-309461	19871027
	ES 2061512	T3	19941216	ES 1987-309461	19871027
	CA 1310793	A1	19921124	CA 1987-550413	19871028
	DK 8705684	A	19880501	DK 1987-5684	19871030
	FI 8704787	A	19880501	FI 1987-4787	19871030
	FI 90346	B	19931015		
	FI 90346	C	19940125		
	NO 8704530	A	19880502	NO 1987-4530	19871030
	NO 173017	B	19930705		
	NO 173017	C	19931013		
	AU 8780541	A1	19880505	AU 1987-80541	19871030
	AU 585180	B2	19890608		
	HU 45270	A2	19880628	HU 1987-4901	19871030
	HU 207869	B	19930628		
	JP 63183551	A2	19880728	JP 1987-275583	19871030
	DD 262583	A5	19881207	DD 1987-308473	19871030
	ZA 8708158	A	19890628	ZA 1987-8158	19871030
	SU 1706391	A3	19920115	SU 1987-4203604	19871030
	US 4935405	A	19900619	US 1988-277614	19881129
	US 5034376	A	19910723	US 1990-497041	19900321
	IN 175148	A	19950506	IN 1990-DE781	19900803
	JP 07173134	A2	19950711	JP 1994-221930	19940916
	JP 07108901	B4	19951122		
PRAI	US 1986-925449	A	19861031		
	US 1987-68982	A	19870701		
	IN 1987-DE905	A1	19871015		
	US 1987-112976	A3	19871023		

EP 1987-309461 A 19871027
 US 1988-277614 A3 19881129
 OS CASREACT 110:154889; MARPAT 110:154889
 GI



AB The title peptides [I, II; Z = R1-Ym-Ap; R1 = C1-6 alkyl, C1-4 alkoxy, (un) substituted amino, morpholino, piperidyl, piperazino, (substituted)piperidino, thiomorpholino, pyridyl, etc; Y = CO, P(O)OMe, SO2; A = NMe, NH, O; m, p = 0, 1; M = Ph, PhCH2, naphthyl, thienyl, MeOC6H4, ClC6H4, HOC6H4, C6-7 cycloalkyl; X = Me, H; R2 = C1-5 alkyl, substituted C1-2 alkyl, PhCH2, guanidino-C1-3 alkyl, 4-aminobutyl, imidazol-4-ylmethyl, etc.; X = cyclohexyl, Me2CH, Ph; W = CHOH, CO, CHN3, CHNH2, CMeOH, etc.; Z1 = CH2OH, R-X1-T; R = CO; X1 = O, NH, NMe, CH2, bond; T = C1-5 alkyl, C1-4 hydroxyalkyl, C1-4 alkylcarbonyl, H, trifluoroethyl, Ph, PhCH2, morpholino, etc.; L = CH, N; R5 = imidazol-4-ylmethyl, C2-5 alkyl; R6 = C1-4 alkoxy, C1-4 alkylamino; provided that when m = 0, P = O; when A = O, Y = CO; when T = C1-4 alkylcarbonyl, X1 = NH, NMe, CH2; when T = C2-5 alkylamino, C1-2 alkoxyamino, morpholino or 4-C1-2 alkylpiperazino, X1 = CH2, bond], useful as antihypertensives (no data), were prepd. Treatment of (S)-3-(tert-butoxycarbonylamino)-4-cyclohexyl-(R)-2-hydroxybutyric acid with Me2CHCH2O2CCl in THF contg. Et3N and amidation of the resulting mixed anhydride with MeNH2 gave 42% N-methyl-3-(tert-butoxycarbonylamino)-4-cyclohexyl-(R)-2-hydroxybutyramide (BOC-nor-C-Sta-NHMe). Deprotection of the latter with 4N HCl in dioxane, followed by peptide coupling with BOC-Phe-His(imBOC)-OH (BOC = CO2CMe3) in CH2Cl2 in the presence of Et3N, hydroxybenzotriazole, and DCC, gave BOC-Phe-His(imBOC)-nor-C-Sta-NHMe, which was treated with AcOH-H2O(80:20) to give BOC-Phe-His-nor-C-Sta-NHMe.

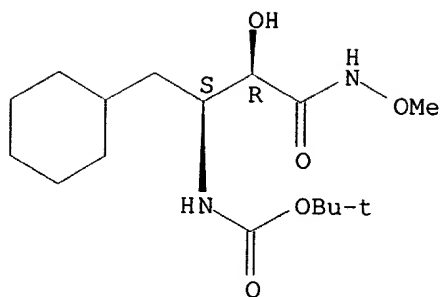
IT **119601-46-6P**

RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of, as intermediate for renin-inhibiting antihypertensive)

RN 119601-46-6 HCAPLUS

CN Carbamic acid, [1-(cyclohexylmethyl)-2-hydroxy-3-(methoxyamino)-3-oxopropyl]-, 1,1-dimethylethyl ester, [R-(R*,S*)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



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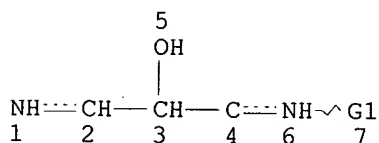
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Calculated physical property data is now available. See HELP PROPERTIES
for more information. See STNote 27, Searching Properties in the CAS
Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

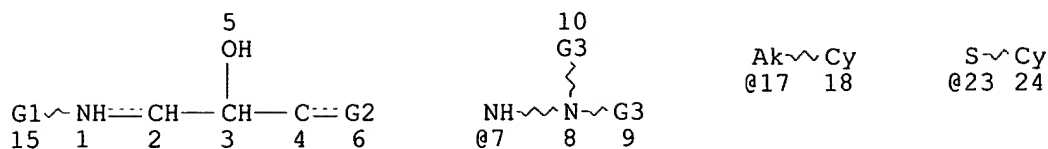
=> d sta que 155
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DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

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NUMBER OF NODES IS 7

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DEFAULT ECLEVEL IS LIMITED

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NUMBER OF NODES IS 36

STEREO ATTRIBUTES: NONE

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100.0% PROCESSED 516 ITERATIONS

28 ANSWERS

SEARCH TIME: 00.00.03

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 E JOHN V/AU
 L3 175 S E3-E11,E16,E17,E19
 L4 10 S L1,L2 AND L3
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 L5 3 S E3
 E BECK J/AU
 L6 177 S E3,E21
 L7 60 S E35,E53,E54
 E GAILUNAS A/AU
 L8 4 S E4
 E HOM R/AU
 L9 12 S E6-E8
 E JAGODZINSKA B/AU
 L10 9 S E4-E6
 E MAILLAIRD M/AU
 L11 4 S E4

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L15 44 S E3-E6
E FRESKOS J/AU
L16 69 S E3-E7
E ELAN/PA,CS
E ELAM/PA,CS
L17 248 S E3-E108
E PHARMACIA/PA,CS
L18 3731 S E3,E4
E UPJOHN/PA,CS
L19 12771 S E1-E4
L20 1569 S L18 AND L19
L21 62 S L1-L16 AND L17-L20
SEL RN L5

FILE 'REGISTRY' ENTERED AT 07:31:59 ON 18 JUL 2002

L22 77 S E1-E77
L23 29 S L22 AND F/ELS
L24 15 S L23 AND 2/NR
L25 2 S L24 AND C32H46F2N4O4
L26 3 S C32H46F2N4O4 NOT L25
SEL RN L25
L27 0 S E78-E79/CRN

FILE 'HCAOLD' ENTERED AT 07:35:50 ON 18 JUL 2002

L28 0 S L25

FILE 'USPATFULL, USPAT2' ENTERED AT 07:35:50 ON 18 JUL 2002

L29 1 S L25

FILE 'HCAPLUS' ENTERED AT 07:35:51 ON 18 JUL 2002

L30 3 S L25
L31 3 S L30 AND L1-L21

FILE 'REGISTRY' ENTERED AT 07:36:24 ON 18 JUL 2002

FILE 'HCAPLUS' ENTERED AT 07:36:42 ON 18 JUL 2002

L32 4 S L5,L31
L33 1 S L32 NOT L31
L34 1 S L33 AND L1-L33

FILE 'REGISTRY' ENTERED AT 07:39:10 ON 18 JUL 2002

L35 STR
L36 20 S L35
L37 516 S L35 FUL
SAV L37 TEMP KUM896/A

FILE 'HCAOLD' ENTERED AT 07:57:12 ON 18 JUL 2002

L38 2 S L37

FILE 'HCAPLUS' ENTERED AT 07:57:52 ON 18 JUL 2002

L39 22 S L37
L40 1 S L39 AND L1-L21
L41 21 S L39 AND (PD<=20000630 OR PRD<=20000630 OR AD<=20000630)
L42 20 S L41 NOT L40

FILE 'REGISTRY' ENTERED AT 08:06:40 ON 18 JUL 2002

L43 STR L35
L44 0 S L43 SAM SUB=L37

L45 7 S L43 FUL SUB=L37

FILE 'HCAPLUS' ENTERED AT 08:14:46 ON 18 JUL 2002

SET SMARTSELECT ON

L46 SEL L40 1- RN : 15 TERMS
SET SMARTSELECT OFF

FILE 'REGISTRY' ENTERED AT 08:14:47 ON 18 JUL 2002

L47 15 S L46
L48 3 S L47 AND L37
L49 2 S L48 NOT L25
L50 1 S L25 NOT BENZENEDICARBOXAMIDE
L51 3 S L48,L50
L52 5 S L45 NOT L51
L53 STR L43
L54 0 S L53 SAM SUB=L37
L55 28 S L53 FUL SUB=L37
L56 9 S L55 AND (C16H30N2O5 OR C18H30N2O4 OR C19H32N2O4 OR C29H35N5O5
L57 3 S L55 AND F/ELS
L58 6 S L56 NOT (C17H30N2O7 OR C29H35N5O5 OR C20H24N2O6)
L59 9 S L57,L58
L60 9 S L51,L59
SAV TEMP L60 KUM896A/A

FILE 'REGISTRY' ENTERED AT 08:57:35 ON 18 JUL 2002

FILE 'HCAOLD' ENTERED AT 08:57:45 ON 18 JUL 2002

L61 0 S L60

FILE 'USPATFULL, USPAT2' ENTERED AT 08:57:49 ON 18 JUL 2002

L62 6 S L60

FILE 'HCAPLUS' ENTERED AT 08:58:05 ON 18 JUL 2002

L63 4 S L60
L64 1 S L63 AND L1-L21
L65 3 S L63 NOT L64

FILE 'REGISTRY' ENTERED AT 08:58:54 ON 18 JUL 2002